



DEPARTMENT OF THE ARMY
U.S. ARMY ENGINEER DISTRICT, SACRAMENTO
1325 J STREET
SACRAMENTO, CALIFORNIA 95814

REPLY TO
ATTENTION OF

Environmental Resources Branch

Mr. Nicolas Fonseca, Chairperson
Shingle Springs Band of Miwok Indians
P.O. Box 1340
Shingle Springs, California 95682

Dear Mr. Fonseca

The U.S. Army Corps of Engineers (Corps) is writing pursuant to Section 106 of the National Historic Preservation act of 1966 as amended, to inform you of proposed design refinements to the Folsom Dam Safety/Flood Damage Reduction Project, referred to as the Joint Federal Project (JFP) in a letter we sent you dated November 25, 2008. Your Cultural Resources Director, Daniel Fonseca replied to us in a phone call on March 9, 2009 indicating that there were no known sites in the original area of potential effects.

The revised area of potential effects (APE) for the project is located southeast of the existing main Folsom Dam on the Folsom, California (1980) and Clarksville, California (1980) U.S.G.S. 7.5 minute quadrangles (Enclosure 1). Proposed refinements include construction of a control structure, concrete lining of the spillway chute and stilling basin, and exploratory geotechnical borings for the approach channel cofferdam walls. The geotechnical borings are temporary actions; the others are major, permanent features of the JFP.

The records and literature search conducted for the JFP previously in March of 2009 and a pedestrian survey conducted approximately one month later. These efforts indicate that there are two known cultural resources within or directly adjacent to the APE. The first, Folsom Dam, was found eligible for listing in the National Register of Historic Places (NRHP) in 2006. The second cultural resource, PLI-FDEIS-1, is a possible prospecting pit with associated spoil piles and drainage.

The Corps is sensitive to the interests of Native Americans and will make all possible effort to avoid traditional cultural properties and sacred sites. If you know of any such properties or sites or other areas of concern located within or near the proposed APE, please inform us of them so that we may take appropriate actions. Correspondence may be sent to Ms. Melissa Montag, U.S. Army Corps of Engineers, Sacramento District, 1325 J Street, Sacramento, California 95814-2922. If you have any questions or require further information please contact Ms. Montag at (916) 557-7907 or by email at Melissa.L.Montag@usace.army.mil. We appreciate your ongoing consultation.

Sincerely,

Alicia E. Kirchner
Chief, Planning Division

Enclosure



DEPARTMENT OF THE ARMY
U.S. ARMY ENGINEER DISTRICT, SACRAMENTO
1325 J STREET
SACRAMENTO, CALIFORNIA 95814

REPLY TO
ATTENTION OF

Environmental Resources Branch

Ms. Jessica Tavares, Chairperson
United Auburn Indian Community of the Auburn Rancheria
10720 Indian Hill Road
Auburn, California 95603

Dear Ms. Tavares

The U.S. Army Corps of Engineers (Corps) is writing pursuant to Section 106 of the National Historic Preservation act of 1966 as amended, to inform you of proposed design refinements to the Folsom Dam Safety/Flood Damage Reduction Project, referred to as the Joint Federal Project (JFP) in a letter we sent you dated November 25, 2008.

The revised area of potential effects (APE) for the project is located southeast of the existing main Folsom Dam on the Folsom, California (1980) and Clarksville, California (1980) U.S.G.S. 7.5 minute quadrangles (Enclosure 1). Proposed refinements include construction of a control structure, concrete lining of the spillway chute and stilling basin, and exploratory geotechnical borings for the approach channel cofferdam walls. The geotechnical borings are temporary actions; the others are major, permanent features of the JFP.

The records and literature search conducted for the JFP previously in March of 2009 and a pedestrian survey conducted approximately one month later. These efforts indicate that there are two known cultural resources within or directly adjacent to the APE. The first, Folsom Dam, was found eligible for listing in the National Register of Historic Places (NRHP) in 2006. The second cultural resource, PLI-FDEIS-1, is a possible prospecting pit with associated spoil piles and drainage.

The Corps is sensitive to the interests of Native Americans and will make all possible effort to avoid traditional cultural properties and sacred sites. If you know of any such properties or sites or other areas of concern located within or near the proposed APE, please inform us of them so that we may take appropriate actions. Correspondence may be sent to Ms. Melissa Montag, U.S. Army Corps of Engineers, Sacramento District, 1325 J Street, Sacramento, California 95814-2922. If you have any questions or require further information please contact Ms. Montag at (916) 557-7907 or by email at Melissa.L.Montag@usace.army.mil.

Sincerely,

Alicia E. Kirchner
Chief, Planning Division

Enclosure



DEPARTMENT OF THE ARMY
U.S. ARMY ENGINEER DISTRICT, SACRAMENTO
CORPS OF ENGINEERS
1325 J STREET
SACRAMENTO, CALIFORNIA 95814-2922

REPLY TO
ATTENTION OF

Environmental Resources Branch

Mr. Milford Wayne Donaldson
State Historic Preservation Officer
Office of Historic Preservation
P.O. Box 942896
Sacramento, California 94296-0001

JUL 19 2010

Dear Mr. Donaldson:

The U.S. Army Corps of Engineers (Corps), Sacramento District, is writing in regard to continuing consultation for the Control Structure, Chute, and Stilling Basin Phase II Project (Phase II). Phase II is a component of the Folsom Dam Joint Federal Project (JFP) which includes Flood Damage Reduction (FDR) measures to Folsom Dam, Dikes and associated features. The Bureau of Reclamation (Bureau) is responsible for construction of Dam Safety features for the JFP while the Corps is in the process of constructing the Flood Damage Reduction (FDR) features of the overall JFP. The Corps, in coordination with the California Department of Water Resources, is implementing the JFP FDR features in order to significantly decrease the flood risk to the Sacramento area. Previous consultation with your office occurred under reference number COE081120C for Phase I of the Corps' JFP FDR measures (Enclosure 1).

In a letter dated May 5, 2009 Mr. William Soule of your office concurred with our finding of No Adverse Effect, in accordance with 36 CFR 800.5(b) for the Phase I project. As described in our previous consultation, the overall FDR measures that we will be constructing for the JFP consist of a continuing series of construction projects with separate environmental compliance efforts for each project. Due to the nature of these iterative phases, because descriptive information on what each construction effort will include will not be available until plans are developed in the months leading up to the estimated construction schedule, and in consultation with Mr. Soule, we determined that the Section 106 compliance for each phase would be handled separately and as information becomes available. As a result, and pursuant to 36 CFR 800.5(b), we are providing you with information on the current construction effort for the Corps' JFP FDR measures and are requesting your concurrence with our finding of No Adverse Effect for the Phase II Project.

In accordance with 36 CFR 800.4(a)(1) we are further defining the APE for Phase II. The APE for Phase II is located near and below the Left Wing Dam at the Folsom Overlook and Folsom Dam, and near Dikes 7 and 8 and the Mormon Island Auxiliary Dam (MIAD) in Sacramento County. The project is located on the Folsom, California, 7.5-minute U.S.G.S. topographic map, T10N R7E, in portions of Section 19, 29, and 30 (Enclosure 2). This revised APE is similar to the APE consulted on for Phase I (Enclosure 3), with some additional areas

included around the spillway, Dike 7 and MIAD. The revised APE is within the APE that the Bureau included in their consultation during the 2007 JFP EIS/EIR.

The JFP FDR measures include a gated spillway containing six submerged tainter gates. Principal features of the new auxiliary spillway include an approximately 1,100 foot-long approach channel, which begins in Folsom Reservoir; a concrete control structure that regulates releases through the submerged tainter gates, a 2,782-foot long spillway chute, and a concrete-lined stilling basin. Phase II will include (1) construction of the control structure, (2) concrete lining of the spillway chute and stilling basin, and (3) exploratory borings for the approach channel cofferdam walls (Enclosure 4):

Construction of the control structure. The control structure feature of the auxiliary spillway is the Corps' major construction contract as part of the FDR measures. Construction activities would include the excavation of the remainder of the earth and rock for the foundation of the control structure followed by mass concrete placement in order to build up the structure. The control structure would be a large, vertical, reinforced concrete gravity structure having a top of dam elevation of approximately 483 feet. The control structure would be founded on bedrock and would include two independent flow-through monoliths which would house three submerged tainter gates, totaling six gates in all to control flow releases. After construction, the top of the control structure will have a permanent two-lane roadway, designed to meet all Bureau security, maintenance, and operational needs. The detailed design of the construction of the control structure is included in Enclosure 5.

Concrete lining of the spillway chute and stilling basin. The spillway chute and stilling basin together will comprise a concrete-lined conduit system designed to transmit outflows from the control structure's submerged tainter gates. Water will flow down the spillway chute into a stilling basin before entering the outflow area from Folsom Dam, and finally entering the American River downstream of the dam. The spillway chute work, including the stepped chute portion and the stilling basin, will include the final foundation preparation for the chute slab, installation of the drainage and slab anchorage systems, reinforced concrete placement, and backfill behind the chute walls. Additionally, the stilling basin work will include baffle block anchorage and concrete placement, end sill concrete placement, and any required backfill behind the stilling basin walls. The detailed designs of the concrete lining of the spillway chute and stilling basin are included in Enclosures 6 and 7.

Exploratory borings for the approach channel cofferdam walls. As part of the approach channel design, cofferdams are being considered to keep part of the site dry during construction. The exploratory borings will gather information on the location of supportive rods that will keep the cofferdam in place and help it to withstand water pressure from the upstream side of the dam. An estimated 25 borings would be drilled within the 410 to 420 foot elevation contour range of the Folsom lakebed. The holes would be spaced an average of 100 feet apart and would be cylindrical borings that would consist of a four inch diameter hole extending 25 feet into disturbed rock rubble.

All of the existing access to the site, including on site haul roads and staging for the construction of the control structure chute and still basin work would be as described in the 2007 JFP EIS/EIR completed by the Bureau of Reclamation.

The above three actions constitute the entirety of the proposed actions for completion of the Phase II Project. Our efforts to identify previously completed surveys, sites, and potentially interested Native Americans are described below.

We completed a records and literature search at the North Central Information Center located at California State University, Sacramento on March 13, 2009. The records search indicated that, other than those areas within the Folsom Lake reservoir, the entire Phase II APE has been previously surveyed for cultural resources. For the Phase II Project there are two known cultural resources within or directly adjacent to the APE: Folsom Dam and its associated Left or Right Wing Dams and Dikes (Folsom Dam) and PLI-FDEIS-1, a possible prospecting pit. In consultation with your office in 2009 for the Phase I Project we determined that we would avoid PLI-FDEIS-1 and that there would be no adverse effect to Folsom Dam, a resource eligible for listing in the National Register of Historic Places. The determinations of effect described in our April 29, 2009 letter for the Phase I Project apply to the Phase II Project.

Construction of the control structure and the concrete lining of the spillway chute and stilling basin would be in an area entirely disturbed by the excavation for the auxiliary spillway completed previously by the Bureau and by the Corps' efforts during Phase I construction. The exploratory borings for the approach channel cofferdam walls are in the area we previously consulted on for construction of the spillway approach channel and spur dike by Folsom Overlook. In our consultation in April 2009 we determined there was very low probability of affects to any previously unknown or buried resources within Folsom Overlook and around the reservoir lakebed of this area due to construction of Folsom Dam and the overlook. We have determined that these conclusions for the Phase I Project are applicable to the APE and construction efforts for the Phase II Project.

As part of our identification efforts for the Phase II project we have made attempts to contact potentially interested Native Americans to solicit any information they may have about traditional cultural properties and sacred sites. Letters dated June 3, 2010 were sent to the Shingle Springs Band of Miwok Indians and the United Auburn Indian Community of the Auburn Rancheria. To date we have not received any replies, however, for the Phase I Project Daniel Fonseca of the Shingle Springs Band of Miwok Indians contacted us and asked us to contact them if any previously unidentified resources are discovered during project construction.


In summary, we have further defined the APE for the Phase II Project pursuant to 36 CFR 800.4(a)(1). We have described the proposed project for Phase II, the current year's construction effort. We have described identification efforts, previous surveys, and sites in the APE in accordance with 36 CFR 800.4(b) and determined that the only historic properties within the APE are Folsom Dam and PLI-FDEIS-1. PLI-FDEIS-1 will be avoided during construction.

We have described efforts to identify and contact potentially interested Native Americans pursuant to 36 CFR 800.4(a)(4). In accordance with 36 CFR 800.5(b), we have documented our determination of no adverse effect to Folsom Dam, the only known historic property within the APE for the proposed Phase II Project.

We request your comments on the above determinations, if any. And we request your concurrence with the Corps' determinations made in this letter. Pursuant to 36 CFR 800.3(c)(4), we request that you review the enclosed information and provide us with any comments within 30 days. Comments may be sent to Ms. Melissa Montag (CESPK-PD-R), U.S. Army Corps of Engineers, Sacramento District, 1325 J Street, Sacramento, California 95814-2922. If you have any questions, please contact Ms. Montag, Historian, at (916) 557-7907 or email: melissa.l.montag@usace.army.mil. Please contact Mr. Jason Magness, Project Manager, at (916) 557-7567 with any specific project questions.

Sincerely,



 Alicia E. Kirchner
Chief, Planning Division

Enclosures

Copy furnished (w/enclosures):

Anastasia Leigh, U.S. Department of the Interior, Bureau of Reclamation, 2800 Cottage Way, MP-153, Sacramento, California 95825

**OFFICE OF HISTORIC PRESERVATION
DEPARTMENT OF PARKS AND RECREATION**

1725 23rd Street, Suite 100
SACRAMENTO, CA 95816-7100
(916) 445-7000 Fax: (916) 445-7053
calshpo@parks.ca.gov
www.ohp.parks.ca.gov



July 26, 2010

In Reply Refer To: COE081120C

Alicia E. Kirchner
Chief, Planning Division
Department of the Army
U.S. Army Engineer District, Sacramento
1325 J Street
Sacramento, California 95814-2922

Re: Continued Consultation Regarding the Control Structure, Chute, and Stilling Basin for Phase II, Folsom Dam Joint Federal Project, Flood Damage Reduction (JFP-FDR); Sacramento County, California.

Dear Ms. Kirchner:

Thank you for continuing consultation with my office regarding the Folsom Dam Joint Federal Project. The U.S. Army Corps of Engineers (COE), Sacramento District, is seeking my concurrence on the effects that the proposed undertaking will have regarding historic properties pursuant to 36 CFR Part 800 (as amended 8-05-04) regulations implementing Section 106 of the National Historic Preservation Act (NHPA). Previously in this consultation (SHPO letter of December 10, 2008) I concurred that your determination of an Area of Potential Effects (APE) was appropriate pursuant to 36 CFR Part 800.4(a)(1) and in my letter of May 5, 2009, I concurred with your finding of No Adverse Effect for Phase I of this undertaking. At this time, in your letter (and attachments) of July 19, 2010, you are requesting my consultation regarding your finding of effect for Phase II of the Control Structure, Chute, and Stilling Basin component of the Flood Damage Reduction measures for the Folsom Dam Joint Federal Project.

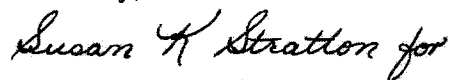
The identification efforts by the COE have determined that two historic properties are located in the project APE. Folsom Dam, which has been determined to be eligible for the National Register of Historic Places (NRHP) under criterion A, has numerous elements located within and adjacent to the APE. The second historic property, PLI-FDEIS-1, is an historic mining feature with an adit, spoils piles and drainage, that is located near the proposed borrow disposal and storage area for the project. The COE has determined that PLI-FDEIS-1 will be avoided by the proposed project. In addition, the COE has determined that the construction of the project will not alter the characteristics of Folsom Dam that qualified it for eligibility for the NRHP, and has concluded that a finding of No Adverse Effect is appropriate pursuant to 36 CFR Part 800.5(b).

After reviewing your letter and supporting documentation, I concur that the Area of Potential Effects determined by the COE is appropriate pursuant to 36 CFR Part

800.4(a)(1), that the efforts by the COE to identify and evaluate historic properties in the APE represent a reasonable and good faith effort pursuant to 36 CFR Part 800.4, and that the finding of effect for Phase II of this undertaking, that of No Adverse Effect, is appropriate pursuant to 36 CFR Part 800.5(b).

Be advised that under certain circumstances, such as unanticipated discovery or a change in project description, the COE may have additional future responsibilities for this undertaking under 36 CFR Part 800. Thank you for seeking my comments and for considering historic properties in planning your project. If you require further information, please contact William Soule, Associate State Archeologist, at phone 916-445-7022 or email wsoule@parks.ca.gov.

Sincerely,

A handwritten signature in cursive script that reads "Susan H. Stratton for".

Milford Wayne Donaldson, FAIA
State Historic Preservation Officer